

WHAT IS CLAIMED IS:

- 5 1. A blind cut-down apparatus for trim cutting a blind having at least a head rail component, and blind materials suspended from the head rail, and comprising;
- 10 a blind component holding plate having at least a head rail opening and a blind material opening formed therein for receiving respective components of a blind therethrough, and holding them in position for cutting;
- 15 a blind cutting bar moveable relative to said holding plate, and carrying material cutting means, for cutting blind material extending through said holding plate;
- 20 a head rail cutting die support adjacent to said cutting bar, said head rail cutting die support having at least one cutting die for receiving said head rail extending there through, and being moveable relative to said holding plate for cutting at said head rail, and,
- 25 movement means for moving said blind material cutting bar and said cutting die support substantially simultaneously, whereby both said blind material and said head rail may be cut in a common plane along the surface of said holding plate.
- 30 2. A blind cut down apparatus as claimed in Claim 1 wherein the headrail defines a transverse axis and in which the headrail opening in the holding plate is located and oriented so as to position the axis of said head rail diagonal to the longitudinal axis of the holding plate, and in which the head rail cutting die defines a cutting opening which is similarly diagonal, the cutting die support being slidably moveable relative to the holding plate, so

~~that the headrail is cut along a linear axis which is diagonal to the transverse axis of the head rail.~~

3. A blind cut down apparatus as claimed in Claim 2 wherein the material cutting bar is also slidable along a linear path relative to the holder plate, and in the same plane as said cutting die support, said material cutter bar being spaced from said cutting die support by a distance at least equal to the cutting path of said blind material cutting bar.

4. A blind cut down apparatus as claimed in Claim 2 wherein said movement means comprises a rotary shaft mounted in said holder plate, and a cam mounted on said rotary shaft for moving said cutting die support a sufficient distance to sever the headrail, and including movement transmission means connecting between said rotary shaft and said blind material cutter bar, for moving said cutter bar simultaneously with said cutting die support.

5. A blind cut down apparatus as claimed in Claim 1 and including a base plate, a lower slide channel fixed to said base plate, and a said blind component plate being secured to said guide channel along a lower edge of said holding plate, and further including an upper guide channel secured to the upper side of said component plate.

6. A blind cut down apparatus as claimed in Claim 5 and wherein said blind cutting bar is slidably received in said lower and upper guide channels and wherein said headrail cutting die support is also slidably received in said lower and upper guide channels, said cutting bar and said die support thereby sliding in a common plane and being separate from one another.

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7. A blind cut down apparatus as claimed in Claim 4 and wherein said rotary shaft carries cam, mounted on said shaft and said boss being received in a opening form in said cutting die support, for moving said cutting die support along a cutting die movement path, and including link arm means connected to said rotary shaft, and to said cutter bar, for moving said cutter bar through a cutter bar movement path, said cutter bar movement path being longer than said cutter die support movement path.
8. A blind cut down apparatus as claimed in Claim 7 and including an end stop member mounted adjacent to but spaced from said head rail die support and said blind slat cutter bar.
9. A blind cut down apparatus as claimed in Claim 7 and wherein said cam is located on an axis of said shaft which is offset from a rotary axis of said shaft and wherein a boss is mounted on said cam, for orbital movement, and wherein said link arm is connected to said boss.
10. A blind cut down apparatus as claimed in Claim 8 and including a first end stop means for registering with said headrail cutting dies, and second end stop means registering with said blind component cutting opening, and first adjustment means for adjusting the spacing between said first end stop and said headrail cutting dies, and second adjustment means for adjusting the spacing between said second end stop and said cutting bar opening.
11. A blind cut down apparatus as claimed in Claim 10 and including linkage connected between said cutter bar and said end stop means, for moving said end stop means away from said cutting die and said cutter bar, upon movement of said movement means to procure a cutting stroke.

Added B137